enter e-estonia

the coolest digital society
enter e-estonia
the coolest digital society
our highest ratings

#1
TAX FOUNDATION 2022
Tax Competitiveness Index

#1
UN E-GOVERNMENT SURVEY 2022
e-Participation index

#18
WORLD BANK 2020
Ease of doing business

#2
FREEDOM HOUSE 2022
internet freedom

#9
EUROPEAN COMMISSION 2022
EU digital economy and society index (DESI)

#1
INDEX VENTURES 2021
start-up friendliness

#3
ITU 2020
global cybersecurity index

#6
HERITAGE FOUNDATION 2022
index of economic freedom
a modest country
extending beyond its borders

+ population: 1.3 million
+ area: 45,339 km²
+ currency: Euro
+ member of: EU, NATO, OECD, Digital Nations
+ ICT sector employees: 5.9% of workforce
essential

clear and honest principles

+ citizen-centric
+ public-private partnership
+ internet access for everybody
+ all individuals own their personal data
digital government

fastest decision making

+ digital-minded leadership
+ once-only principle
+ e-state - digital by default
+ 99% of services are online
empowering

easiest life: only getting divorced cannot be done online.

for now.
electronic ID

the strongest identity since 2002

+ electronic ID is compulsory
+ 64% use ID-card regularly
+ 19% people use mobile-ID
+ 52% use smart-ID
+ 100,000+ e-Residents
x-road

the busiest highway since 2001

X-Road — secure and interoperable open-source
data exchange platform
+ operational in Azerbaidjian, Argentina, Cambodia,
Colombia, El Salvador, Estonia, Faroe Islands,
Finland, Germany, Iceland, Japan, Kyrgyzstan,
Vietnam

X-tee — the Estonian X-Road ecosystem since 2001
+ saving 3 million working hours annually
+ over 3,000 different services
+ over 2.5 billion transactions per year
three pillars

the safest combination to information security

Confidentiality

- e-Identification:
  - ID-card, mobile-ID
  - Smart-ID, e-residency card

Availability

- X-Road®

Integrity

- KSI blockchain
- Data Embassy
e-Estonia timeline

- e-cabinet
- e-tax board
- m-parking
- X-Road®
- e-school
- digital signature
- id-card
- esti.ee
- id bus ticket

2000  2001  2002  2003  2004
e-Estonia timeline

- e-police system
- e-notary
- mobile-id
- keyless signature infrastructure
- i-voting
- e-justice
- company registration portal
- e-health system
- e-prescriptions

2005 2006 2007 2008 2010
e-Estonia timeline

- Visualised business register (2011)
- Smart grid (2012)
- EV quick charging network (2013)
- Public services green paper (2013)
- E-service of the Estonian Road Administration (2014)
- E-residency (2014)
- E-receipt (2015)
e-Estonia timeline

- NIIS X-Road® consortium (2017)
- AI strategy (2019)
- Crossborder e-prescription (2019)
- Reporting 3.0 (2019)
- E-notary for remote verification (2020)
- 50 public sector AI use cases (2020)
- 7 invisible services (2020)
- Bürokratt (2021)
ease of doing business

simplest and fastest business environment

+ under 3 hours to start a company
+ paperless and hassle-free e-taxation
+ #1 in International Tax Competitiveness Index (2022)
+ e-residency — Estonian e-services for every world citizen
Estonian startup ecosystem

+ 1400+ startups
+ 10 unicorns - #1 per capita in Europe
+ raised around € 3.5B in funding since 2010
+ Estonian Startup Visa & Scale-up Visa
+ supportive ecosystem
e-residency

e-resident.gov.ee

+ first in the world
+ 170+ countries
+ 100,000+ e-residents to date
+ 25,000+ e-resident companies
+ 32m+ € taxes paid to Estonia
cyber security

the strongest competence

+ first and so far largest cyber attacks against a nation state in 2007
+ home of NATO CCDCOE and EU IT agency
+ cyber defence league and cyber command
+ non-permanent member of UNSC 2020-2021
+ data embassy
+ KSI Blockchain
blockchain pioneers

guarding integrity since 2012

Estonia uses blockchain technology for integrity verification of government registries and data. No data is saved to the blockchain.

- first ever state to use blockchain technology
- 100% data privacy
- history cannot be rewritten by anybody

Blockchain ≠ Bitcoin
data embassy

digital continuity of Estonia as a state

+ first data embassy in Luxembourg
+ strategically important datasets
+ highest level of security
+ future: additional locations
+ Estonia as a host country
i-voting
internet voting in Estonia since 2005

+ first and still the only one in the world
+ time and location independent
+ strictly optional
+ possibility to change your vote
+ 51% i-voted in the 2023 parliament elections
e-tax
the first public online service since 1999

+ taxes filed in 3 minutes with digital ID
+ pre-filled forms with automated data
+ applies to all types of taxes
+ 98% of income taxes are declared electronically
e-health
the healthiest system

+ digital health data
+ e-prescription
+ e-ambulance
+ biobank with 200 000 donors
+ personalised medicine
education

Europe’s smartest children

+ 1st in OECD PISA tests in Europe
+ ICT education from an early age
+ digital by default
+ digital education materials
+ kood / Jõhvi
smart city
smarter living environment

+ shared platforms
+ cross-border projects — Finest Twins
+ unique semi-autonomous solutions
+ urban data collection and sharing
+ Estonia as a testbed
digitalise everything
the journey never ends

+ cut your own christmas tree
+ fishing and hunting licences
+ reporting a crime
+ cemetery Portal Haudi
+ vehicle history check
+ smart-road map
building a world free from financial crime

+ revolutionising fight against financial crime
+ combating crime with smart tech and collaboration
+ building up global crime-fighting networks
+ AML Bridge by regtech Salv and leading banks
digital agenda 2030

estonia full of digital might

+ satisfaction with public digital services
+ super fast, trustworthy and affordable connectivity
+ secure and trustworthy cyber space
bürokratt

virtual assistant for government services

+ all government services & info from one place
+ works 24/7
+ channel and device agnostic (chat, sms, e-mail, phone, voice assistant)
+ open-source and free
kratt

national AI strategy

+ public-private partnership
+ government initiative
+ 50+ use cases in public sector
international cooperation

- Estonia cooperates with digital-minded countries: D9+, Digital Nations, DGX
- public-private partnership that works beyond borders
- NGOs’ power in digitalisation: eGA, NIIS
estonishing future

seamless e-services available 24/7

+ proactive government
+ AI in government services
+ cross border digital governance
+ personalised medicine
+ reduce footprint of ICT
proactive government

- starting a business
- childbirth
- buying a car
- driving licence
- start of school
- unemployment & job search
- marriage
- divorce
- disability
- military service
- change of residence
- retirement
- death (succession)
- building houses
- falling victim to an accident
- falling victim to a crime
resilient in times of crisis and beyond

+ smoothest switch to remote work and study: free e-learning tools
+ hacking the crisis: from Estonia to the world
+ 30+ quick fixes: from Covid-19 chatbot and remote verification in notaries
+ PPP: coronavirus exposure notification app HOIA
Lessons learned

Be boldest

+ digital-minded leadership
+ keep it short and simple
+ transparency works
+ shared platforms are quicker
+ service design matters
+ public-private partnership
+ start-up mentality
stronger together

let’s keep in touch!

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